

LISA3-W-PIN

~35° wide beam with location pin installation

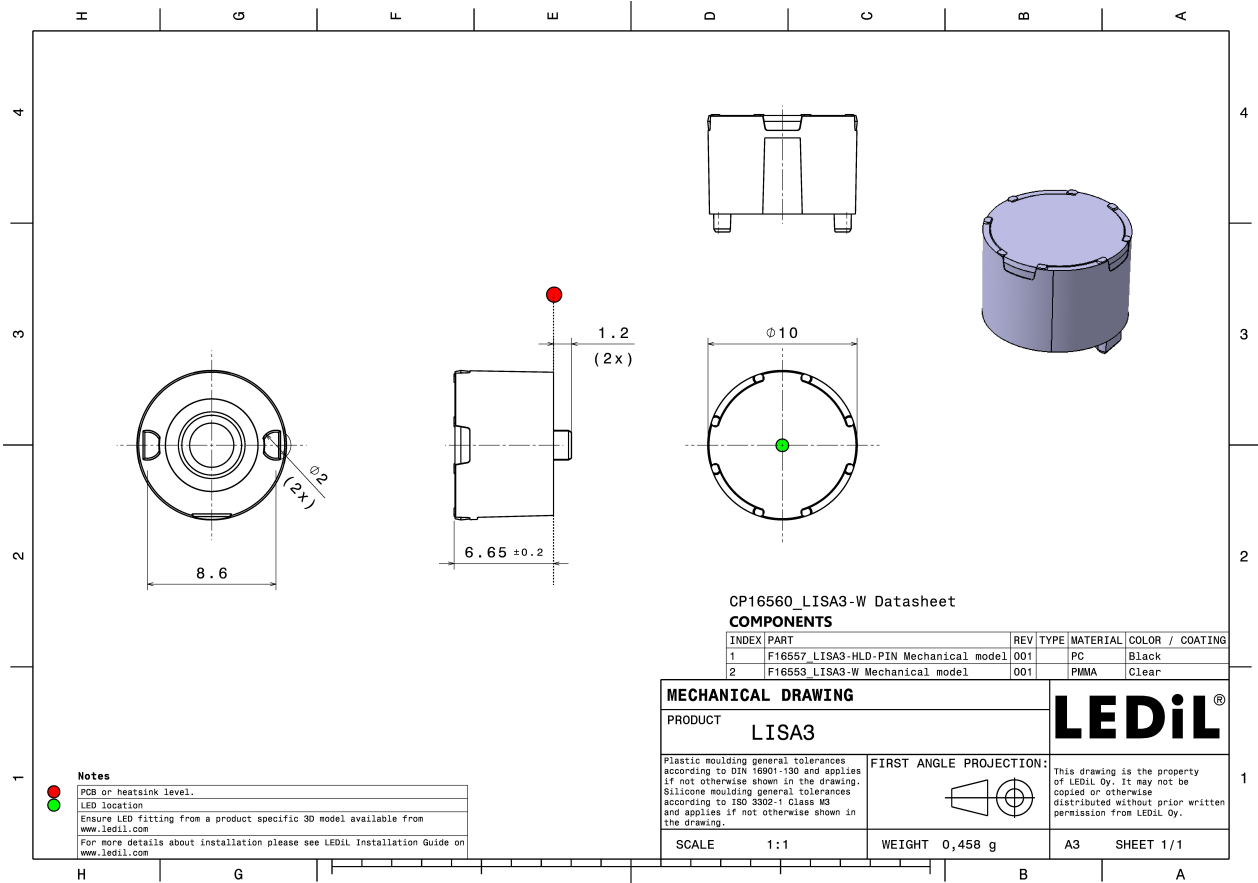
TECHNICAL SPECIFICATIONS:

Dimensions	Ø 9.9 mm
Height	7 mm
Fastening	pin
Colour	black
Box size	310 x 230 x 60 mm
Box weight	1.3 kg
Quantity in Box	2000 pcs
ROHS compliant	yes ⓘ



MATERIAL SPECIFICATIONS:

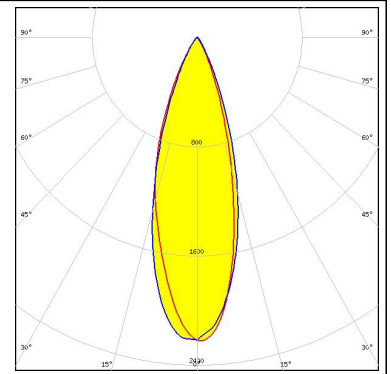
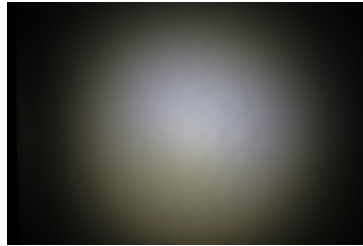
Component	Type	Material	Colour
LISA3-W	Single lens	PMMA	
LISA3-HLD-PIN	Holder	PC	



PHOTOMETRIC DATA (MEASURED):



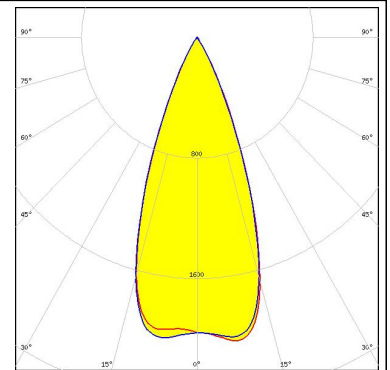
LED NF2x757G
FWHM 32.0°
Efficiency 79 %
Peak intensity 2.200 cd/lm
LEDs/each optic 1
Light colour White
Required components:



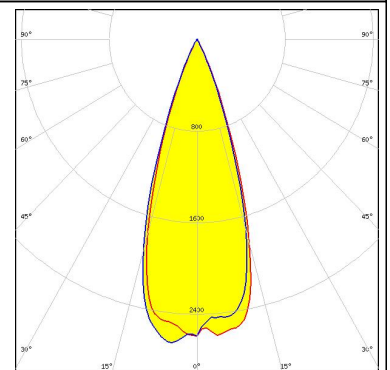
PHOTOMETRIC DATA (SIMULATED):



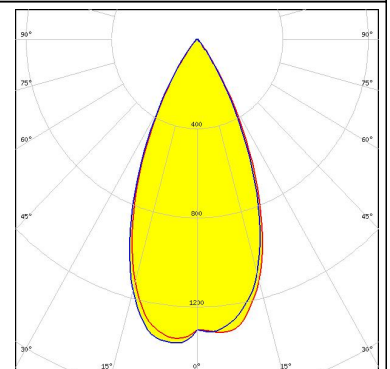
LED XP-E
 FWHM 41.0°
 Efficiency 92 %
 Peak intensity 2.060 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



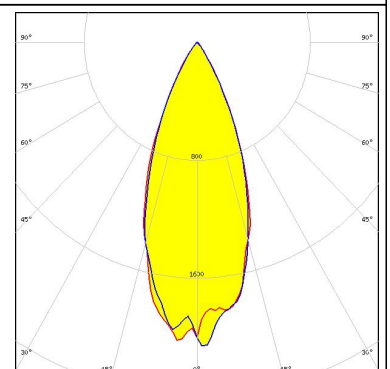
LED XP-E2
 FWHM 35.0°
 Efficiency 90 %
 Peak intensity 2.700 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED XP-G2 HE
 FWHM 48.0°
 Efficiency 87 %
 Peak intensity 1.374 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



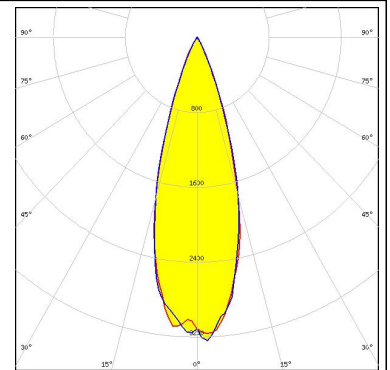
LED XP-G3
 FWHM 38.0°
 Efficiency 85 %
 Peak intensity 1.800 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



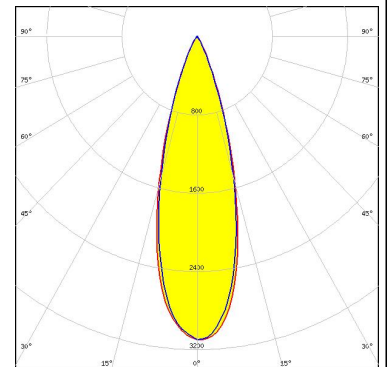
PHOTOMETRIC DATA (SIMULATED):



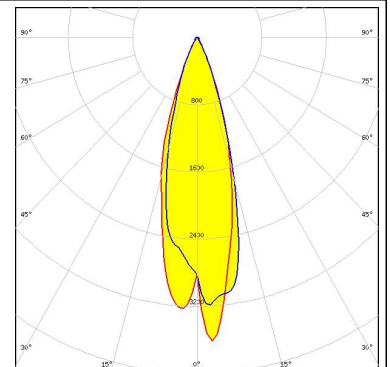
LED XT-E
FWHM 30.0°
Efficiency 82 %
Peak intensity 2.900 cd/lm
LEDs/each optic 1
Light colour White
Required components:



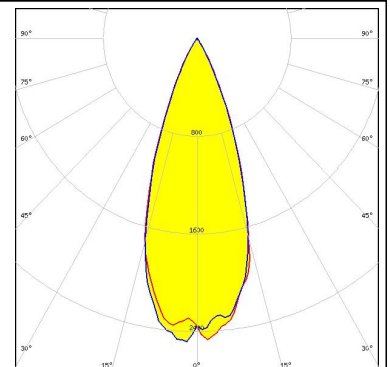
LED LUXEON 2835 Line
FWHM 30.0°
Efficiency 89 %
Peak intensity 3.107 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED LUXEON 3030 2D (Round LES)
FWHM 30.0°
Efficiency 85 %
Peak intensity 3.180 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED LUXEON TX
FWHM 36.0°
Efficiency 87 %
Peak intensity 2.250 cd/lm
LEDs/each optic 1
Light colour White
Required components:



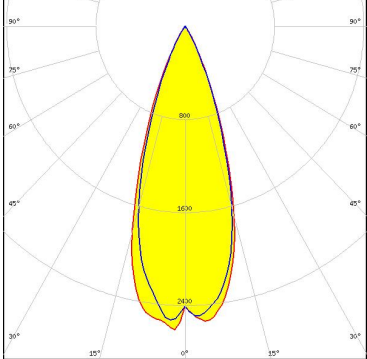
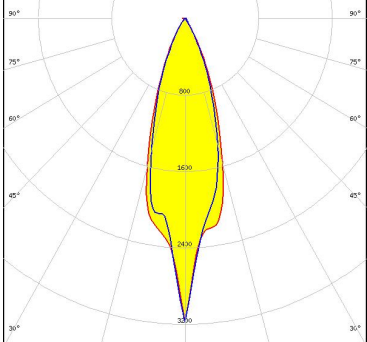
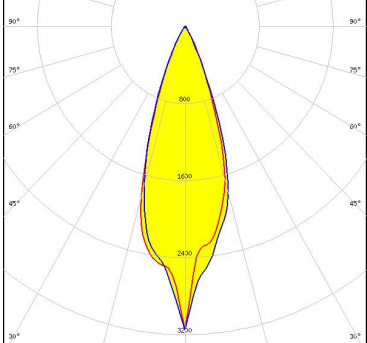
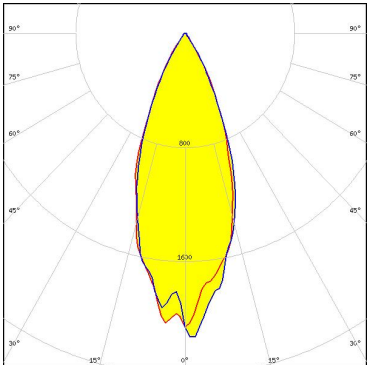
PHOTOMETRIC DATA (SIMULATED):

<p>LUMILEDS</p> <p>LED LUXEON V2 FWHM 36.0° Efficiency 90 % Peak intensity 2.150 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>LUMILEDS</p> <p>LED LUXEON Z FWHM 27.5° Efficiency 88 % Peak intensity 4.220 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>LUMILEDS</p> <p>LED LUXEON Z ES FWHM 30.0° Efficiency 89 % Peak intensity 3.403 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>NICHIA</p> <p>LED NVSW219F FWHM 46.0° Efficiency 89 % Peak intensity 1.549 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	

PHOTOMETRIC DATA (SIMULATED):

<p>NICHIA</p> <p>LED NVSxx19B/NVSxx19C FWHM 38.9° Efficiency 83 % Peak intensity 1.810 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED Duris S5 (2 chip) FWHM 30.0° Efficiency 87 % Peak intensity 2.920 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED Duris S5 (Single chip) FWHM 30.0° Efficiency 86 % Peak intensity 3.200 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED OSCONIQ P 3030 FWHM 29.0° Efficiency 87 % Peak intensity 3.374 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	

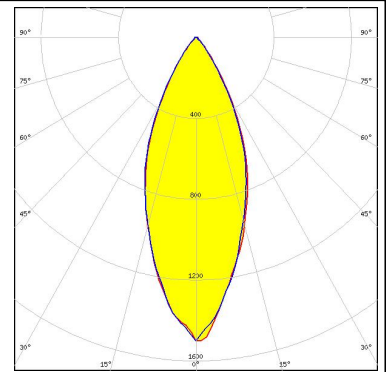
PHOTOMETRIC DATA (SIMULATED):

<p>OSRAM Opto Semiconductors</p> <p>LED OSLON Square CSSRM2/CSSRM3 FWHM 34.0° Efficiency 88 % Peak intensity 2.490 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED OSLON Square EC FWHM 35.0° Efficiency 88 % Peak intensity 2.400 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED OSLON SSL 150 FWHM 35.0° Efficiency 90 % Peak intensity 2.580 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>SAMSUNG</p> <p>LED LH351C FWHM 38.0° Efficiency 86 % Peak intensity 1.900 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	

PHOTOMETRIC DATA (SIMULATED):

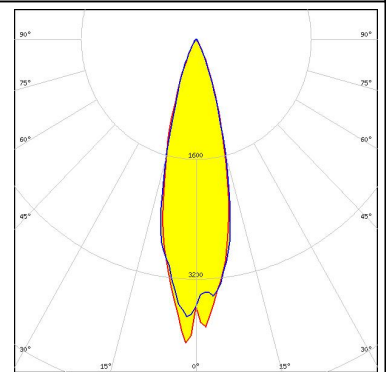
SAMSUNG

LED LH351D
FWHM 41.0°
Efficiency 85 %
Peak intensity 1.500 cd/lm
LEDs/each optic 1
Light colour White
Required components:



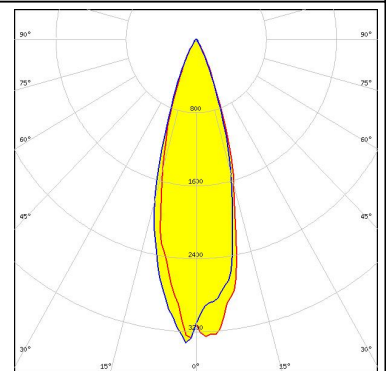
SAMSUNG

LED LM301A
FWHM 29.0°
Efficiency 87 %
Peak intensity 3.470 cd/lm
LEDs/each optic 1
Light colour White
Required components:



SAMSUNG

LED LM302A
FWHM 30.0°
Efficiency 87 %
Peak intensity 3.070 cd/lm
LEDs/each optic 1
Light colour White
Required components:



GENERAL INFORMATION:

NOTE: The typical beam angle will be changed by different color, chip size and chip position tolerance. The typical total beam angle is the full angle measured where the luminous intensity is half of the peak value.

MATERIALS:

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